PRECISION POWER
PRECISION POWER
PRECISION POWER
PRECISION POWER
PRECISION POWER
PRECISION POWER
PRECISION POWER
PRECISION POWER

INSTRUCTION MANUAL

PRECISION POWER
PRECISION POWER
PRECISION POWER
PRECISION POWER
PRECISION POWER
PRECISION POWER
PRECISION POWER

400SR

Digitized by the Internet Archive
in 2025

https://archive.org/details/manualsplus_09131

WARRANTY

Elgar Corporation warrants each instrument it manufactures to be free from defects in material and workmanship. The corporation's obligation under this warranty is limited to servicing the instrument and replacing defective parts. This warranty is effective for one year after delivery of the instrument to the original purchaser. Defects caused by improper operating conditions, misuse, negligence, or the alteration or removal of the nameplate, will void the warranty. Elgar Corporation shall in no circumstance be liable for any direct or consequential loss or damage of any nature resulting from the malfunction of the instrument. This warranty is effective in lieu of any or all other obligations or liabilities on the part of Elgar Corporation, its agents, or representatives.

DO NOT RETURN THE UNIT FOR REPAIR WITHOUT AUTHORIZATION FROM ELGAR CORPORATION. Unauthorized returns found to be within specifications will result in a $50.00 inspection fee, plus two-way freight charges.

Unless specifically noted in the Purchase Order or Maintenance Agreement, Elgar's warranty is F.O.B. the Elgar Service Center nearest the installation site, and serviceman's travel and expenses or transportation costs will be billed to the customer at cost.

ELGAR CORPORATION . . . THE BEST SOURCE OF POWER

9250 Brown Deer Road, San Diego, California 92121

Phone 619-450-0085

Document Number:

Model Affected:

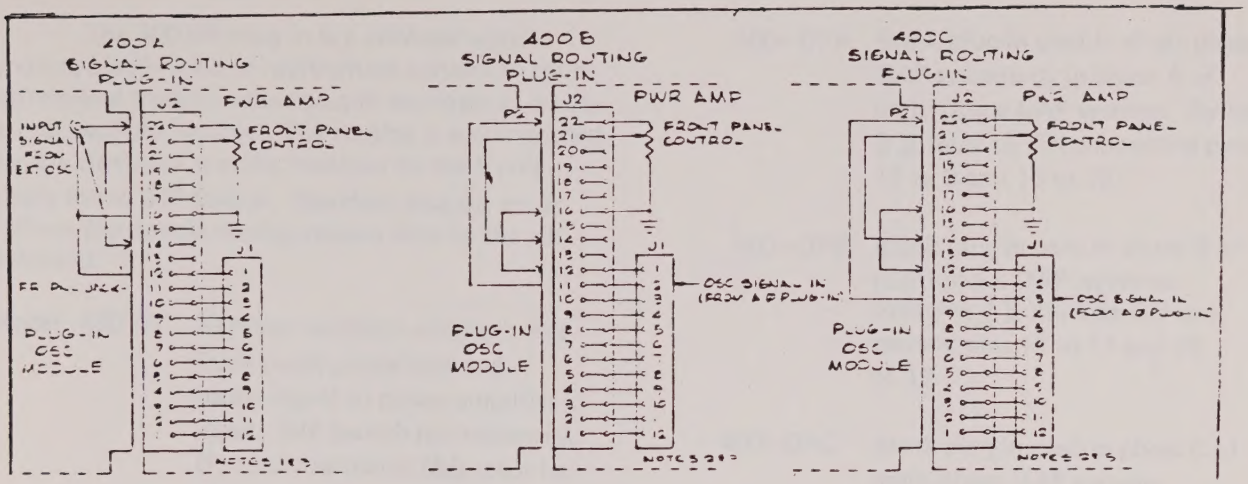
Description of Change:

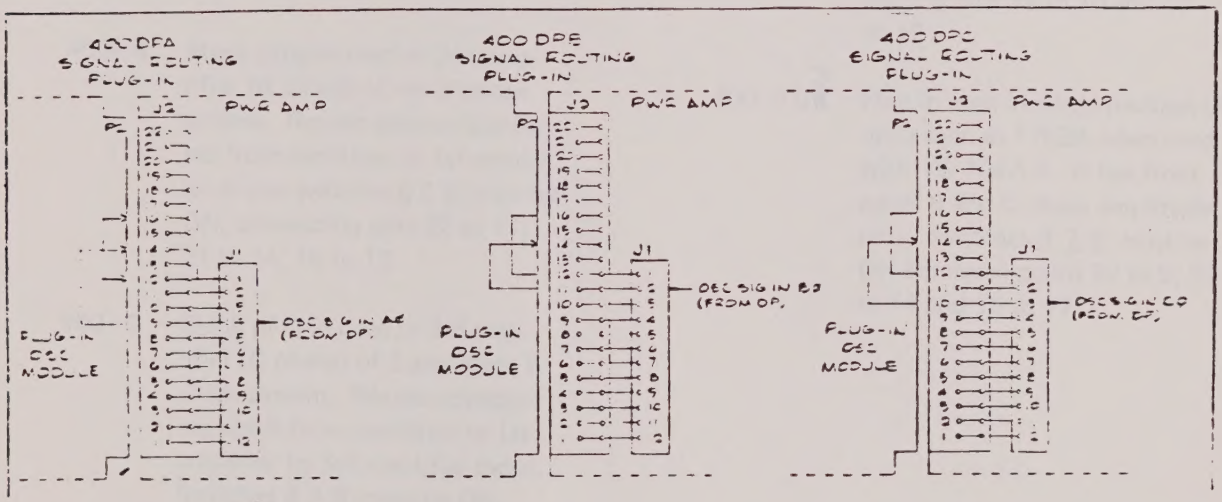
400SR SIGNAL ROUTING PLUG-IN

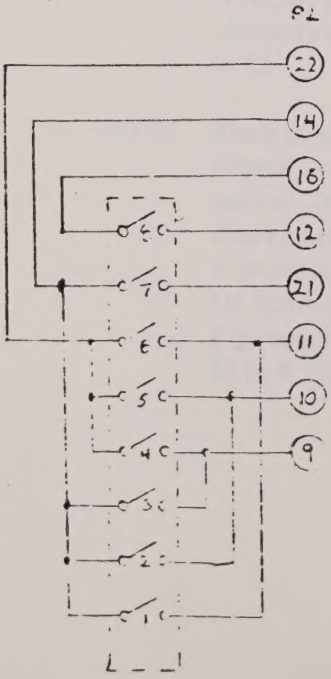
The 400SR Plug-In is a universal signal routing plug-in used in multiphase systems to route drive signals from a master plug-in oscillator or an external oscillator source. The routing is accomplished by the closing of specific switches on the 8 pole single throw dip switch. Standard plug-ins are as follows:

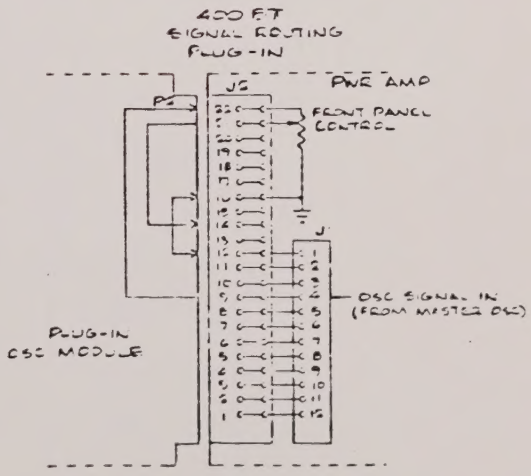
Model 400A	External oscillator adoptor. Has front panel phone jack and routes signal to power amplifier input. Dip switch not necessary. If present, switches 7 & 8 must be on, connecting pins 14 to 21 and 16 to 12.
Model 400B	Blank plug-in used in 2nd amplifier (B phase) of multi-amplifier system. Routes appropriate signal from oscillator in 1st amplifier (A phase) to 2nd amplifier input. Switches 6, 7 & 8 must be on, connecting pins 22 to 11, 21 to 14 and 16 to 12.
Model 400C	Blank plug-in used in 3rd amplifier (C phase) of 3 amplifier, 3 phase system. Routes appropriate signal from oscillator in 1st amplifier to 3rd amplifier input. Switches 5, 7 & 8 must be on, connecting pins 22 to 10, 21 to 14 and 16 to 12.
Model 400BT	Blank plug-in used in 2nd amplifier(s) in a tandem system such as 2000-1. Also used in single phase TB704A systems or in phase A of multiphase TG704A-3 systems. Switches 4, 7 & 8 must be on, connecting pins 22 to 9, 21 to 14 and 16 to 12.
Model 400DPA	Blank plug-in used in single phase DAP systems or in phase A of multiphase DAP systems. Switches 4 & 8 must be on, connecting pins 14 to 9 and 16 to 12.
Model 400DPB	Blank plug-in used in phase B of multiphase DAP systems. Swotches 1 & 8 must be on, connecting pins 14 to 11 and 16 to 12.
Model 400DPC	Blank plug-in used in phase C of multiphase DAP systems. Switches 2 & 8 must be on, connecting pins 14 to 10 and 16 to 12.
Model 400TG3	Plug-in used in single package 3 phase units such as 1753B. When used with TG704A-3 it has front panel B and C phase amplitude potentiometers. Switches 4, 7 & 8 must be on, connecting pins 22 to 9, 21 to 14 and 16 to 12.

Elgar Corporation
8225 Mercury Court
San Diego, California
92111









Signal Routing Plug-in Connections

The 400 SR plug-in is a universal signal routing plug-in used in multi-phase systems to route drive signal from a master plug-in oscillator or an external oscillator source. The routing is accomplished by the closing of specific switches on the 8 pole single throw DIP Switch. Standard plug-ins are as follows (for special configurations refer to the addendum):

Model 400–A External oscillator adaptor. Has front panel phone jack and routes signal to power amplifier input. DIP Switch not necessary. If present switches 7&8 must be ON connecting pins 14 to 21 and 16 to 12

400–B Blank plug-in used in 2nd amplifier (B phase) of multi-phase system. Routes appropriate signal from oscillator in 1st amplifier in-put switches 6 7 8 must be ON, connecting pins 22 to 11, 21 to 14, 16 to 12

400–C Blank plug-in used in 3rd amplifier (C phase) of 3 amplifier, 3 phase system. Routes appropriate signal from oscillator in 1st amplifier to 3rd amplifier input. Switches 5 7 8 must be ON, connecting pins 22-10, 21-14, 16 to 12

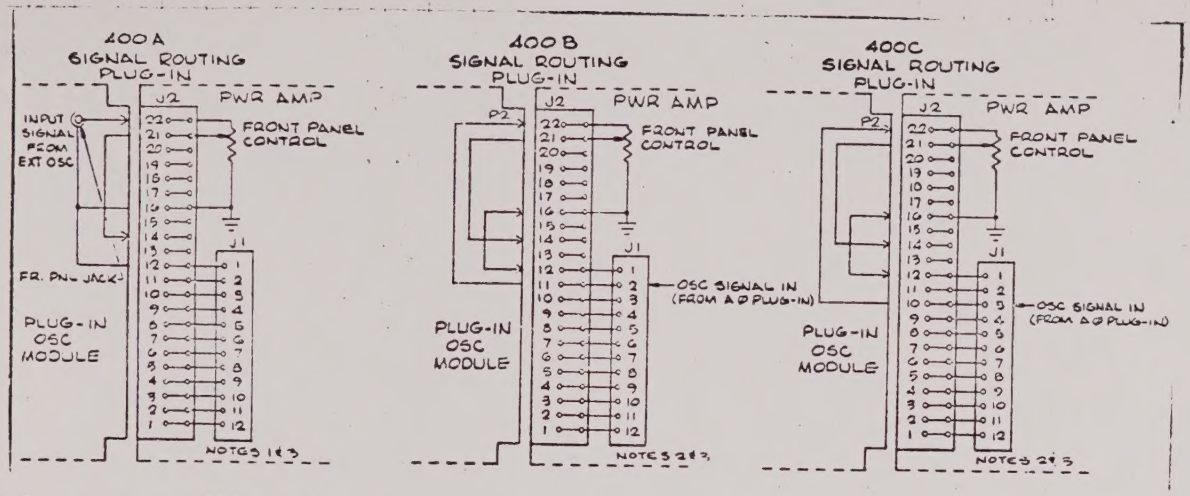
400 BT Blank plug-in used in 2nd amplifier(s) in a Tandem System such as 2000-1. Also used in single phase TG 704A systems or in phase A of multi-phase TG 704A-3 systems. Switches 4 7 8 must be ON connecting pins 22 to 9, 21 to 14 and 16 to 12

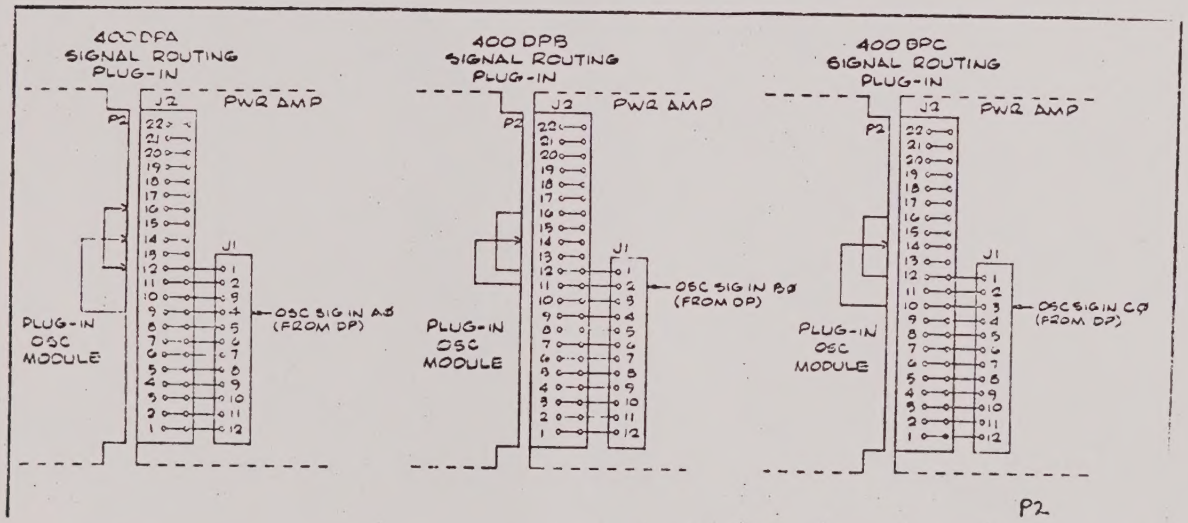
400–DPA Blank plug-in used in single phase DAP systems or in phase A of multi-phase DAP systems. Switch 3 8 must be ON connecting pins 14 to 9 and 16 to 12

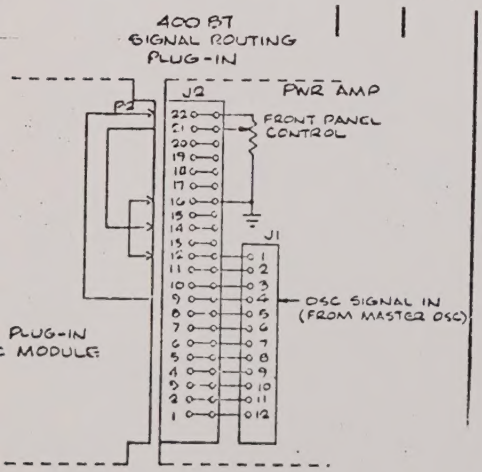
400–DPB Blank plug-in used in phase B of multi-phase DAP systems. Switches 1 8 must be ON connecting pins 14 to 11 and 16 to 12

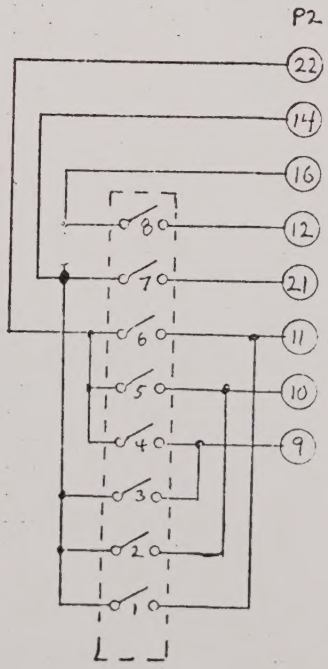
400–DPC Blank plug-in used in phase C of multi-phase DAP systems. Switches 2 8 must be ON connecting pins 14 to 10 and 16 to 12

400–TG3X Plug in used in single package 30 units such as 1753B when used with TG 704A-3. It has front panel B and C phase amplitude pots. Switches 4 7 8 must be ON connecting pins 22 to 9, 21 to 14 and 16 to 12


400A
SIGNAL ROUTING
PLUG-IN
J2
PWR AMP
INPUT SIGNAL FROM EXT OSC
FRONT PANEL CONTROL
FR. PNL JACK
PLUG-IN OSC MODULE
J1
NOTES 1 & 3
400B
SIGNAL ROUTING
PLUG-IN
P2
OSC SIGNAL IN (FROM A Ø PLUG-IN)
NOTES 2 & 3
400C
SIGNAL ROUTING
PLUG-IN
NOTES 2 & 3


400DPA
SIGNAL ROUTING
PLUG-IN
J2
PWR AMP
P2
J1
PLUG-IN OSC MODULE
OSC SIG IN AØ (FROM DP)
400DPB
SIGNAL ROUTING
PLUG-IN
OSC SIG IN BØ (FROM DP)
400DPC
SIGNAL ROUTING
PLUG-IN
OSC SIG IN CØ (FROM DP)


400BT
SIGNAL ROUTING
PLUG-IN
J2
PWR AMP
P2
FRONT PANEL CONTROL
J1
OSC SIGNAL IN (FROM MASTER OSC)
PLUG-IN
MODULE


P2
22
14
16
12
21
11
10
9
8
7
6
5
4
3
2
1

www.manualsplus.com
1007041